# TS-1000 & 2000

**Automatic Tank Gauging** & Electronic Line Leak **Detection System** 

## **INCON**

P.O.Box 638 Saco, ME 04072

Tel: (207) 283-0156



**Evaluator:** Ken Wilcox Associates - 08/05/92

**System Description:** The TS-1000/2000 is a monitoring system that can test and gauge 2 or 4 tank systems. In addition, the TS-1000/2000 can be optionally equipped with up to 8 leak detection sensors to support interstitial, sump, vapor and groundwater monitoring. Alarms can be setup to sound audibly or control relay contacts for high product levels, high water levels and tank leaks. An optional relay output BriteBox accessory unit may be configured to shut-off product dispenser pumps or to turn on/off other devices. The system can also be equipped with optional TS-LLD line leak detection software.

TANK GAUGING **Certification:** 

0.2 gph with PD = 99.9% and PFA = 0.1%

LINE TEST

3, 0.2 & 0.1 gph with PD = 100% and PFA = 0%

Tank Capacity: Max. 15,000 gal

**Test Period:** Min. 5 hrs with tank 50 - 95% full (**TS-1000**)

Min. 3 hrs with tank 50 - 95% full (*TS-2000*)

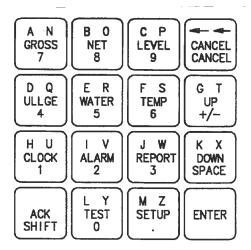
**Limitations:** - No dispensing or delivery during test

- Not evaluated using manifolded tanks

Revised 12/17/98

INCON

## SAMPLE REPORTS TS-1000



### Reports Available

- 1. Inventory
- 2. Reconciliation
- 3. Delivery
- 4. Delivery History
- 5. Leak Test
- 8. Alarm History
- 7. Alarm9. Line Test
- 10. Line Test History

6. Leak Time Estimate

- 11. Alarm Status and Configuration
- 12. System Configuration
- 13. Tank Configuration

## **Console Keypad**

### 1. To Print Desired Report

- a. Press **REPORT** key
- b. Press **UP** or **DOWN** until desired report
- c. Press ENTER
- d If prompted, enter tank number or **0** for all tanks
- e. Press **ENTER** to print report

JOHNS BAS STOP 111 OAK ST. BIDDEFORD, ME 04005 SITE # 801 7/25/1990 02:09 PM INVENTORY REPORT TANK NO. 1 8000 GAL UNLEADED REG GROSS 5051.7 GAL **HET** 5024.7 GAL PROD LEVEL 57.918 IN **ULLAGE** 2963.4 GAL **TEMPERATURE** 67.606 F WATER LEVEL 0.584 IN WATER VOL 6.4 GAL

JOHNS CAS STOP 111 OAK ST. BIDDEFORD. HE 84805 SITE . BOI 7/25/1998 82:11 PM LEAK TEST REPORT TANK NO. I 8866 5AL UNLEADED RES THRESHOLD 8.20 GAL/HR CONFIDENCE LEVEL 95.8% TEST STARTED 12:00 AH TEST STARTED 87/25/1998 LAST DELIVERY 6:15 AM LAST DELIUERY 87/24/1998 Z GROSS CAPACITY 73.68 BEGIN GROSS SEGIH NET 5869.2 GAL BEGIN LEVEL 66.311 IN BEGIN TEMP 68.334 F BEGIN WATER 6.5 EAL BEGIN WATER 0.584 IN END TIME 1:59 AH END DATE 87/25/1998 END GROSS 5983.4 BAL END NET 5869.3 EAL END LEVEL 66.387 IN END TEMP 68.219 F END WATER 6.5 GAL END WATER 6.584 IN HOURLY DATA TIME DES F BAL 1:99 AM 68.276 5875.68 1:59 AM 68.219 5875.72 SLOPE 0.04 GAL/HR SLOPE LOW 0.04 GAL/HR SLOPE HIGH B. 84 SAL/HR TEST RESULTS PASSED

## SAMPLE REPORTS **TS-1000**

(cont)

JOHNS GAS STOP 111 DAK ST. BIDDEFORD, ME 04005 SITE # 001

7/24/1998 04:39 AM ALARM REPORT

7/24/1990 THEFT

04:38 AM

TANK NO. 1

### Alarm

### Report

JOHNS GAS STOP 111 DAK ST. BIDDEFORD, ME 04005 SITE # 001

7/25/1998 92:12 PM ALARM HISTORY REPORT

7/11/1990 95:48 PM POWER UP

7/11/1990 05:40 PM OVERFILL TANK NO. 1

7/23/1998 93:39 PM POWER UP

7/23/1990 06:17 PH LOW LIMIT TANK NO. 1

7/25/1990 05:51 AM THEFT TANK NO. 1

JOHNS GAS STOP 111 DAK ST. BIDDEFORD, ME 04005 SITE # 001

> 7/25/1998 02:10 PH DELIVERY REPORT

> TANK NO. 1 8000 GAL UNLEADED REG

BEGIN TIME 6:15 AM BEGIN DATE 87/24/1998 BEGIN GROSS 799.3 GAL 796.7 SAL BEGIN NET BEGIN LEVEL 15.065 IN 0.571 IN BEGIN WATER BEGIN WATER 6.2 GAL BEGIN TEMP 64.501 F END TIME 6:37 AM END DATE 07/24/1990 END GROSS 6722.8 GAL END HET 6676.5 GAL END LEVEL 75.066 IN END WATER 0.581 IN END WATER 6.4 GAL END TEMP 69.788 F GROSS DEL 5923.5 GAL 5879.8 GAL **NET DEL** 

JOHNS GAS STOP 111 GAK ST. BIDDEFORD, ME 04005 SITE . 981

7/25/1998 82:14 PM DELIUERY HISTORY REPORT

TANK NO. 1 BEOD GAL UNLEADED REG

BESIN TIME 6:15 AM BESIN DATE 87/24/1998 BESIN GROSS 799.3 BAL BESIN NET 796.7 GAL BEGIN LEVEL 15.865 IM BEGIN WATER 0.571 IN BEGIN WATER BEGIN TEMP 64.681 F END TIME 6:37 AM END DATE 67/24/1998 END GROSS 6722.8 EAL END NET 6676.5 GAL END LEUFI 75.866 IN END MATER 0.581 IN END WATER 6.4 GAL END TEMP 69.788 F GROSS DEL 3923.5 GAL HET DEL 5879.8 GAL

BEGIN TIME 6113 AM BEGIN DATE 88/24/1998 BEBIH BROSS 1657.8 BAL BEGIN NET 1658.9 GAL BEGIN LEVEL 24.952 IN BESIN WATER 0.054 IN BESIN WATER 8.8 EAL BEGIN TEMP 66.753 F END TIME 6:21 AM END DATE 88/24/1998 END GROSS 3198.3 BAL END NET 3171.5 BAL END LEVEL 49.026 IN END MATER 0.058 IN END WATER 8.8 GAL 68.417 F GROSS DEL 1532.4 GAL HET DEL

Delivery Report

Delivery History Report